

SEQUENCE LISTING

<110> Paszty, Christopher
Gao, Yongming

<120> Cysteine Knot Polypeptides: Cloaked-2 Molecules and Uses Thereof

<130> 01017/37428

<150> US 06/208,550

<151> 2000-06-01

<150> US 06/223,542

<151> 2000-08-04

<160> 25

<170> PatentIn version 3.0

<210> 1

<211> 759

<212> DNA

<213> Homo sapiens

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ttcaagaatg atgccacgga aatcatcccc gagctcggag agtaccgccga gcctccaccg 180
gagctggaga acaacaagac catgaaccgg gcggagaacg gagggcggcc tccccaccac 240
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cgctcaccgc gcttccacaa ccagtcggag ctcaaggact tcgggaccga ggccgctcgg 600
ccgcagaagg gccggaagcc gcggccccgc gcccggagcg ccaaagccaa ccaggccgag 660
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<212> PRT

<213> Homo sapiens

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35 40 45
Thr Lys Asp Val Ser Glu Tyr Ser Cys Arg Glu Leu His Phe Thr Arg
50 55 60
Tyr Val Thr Asp Gly Pro Cys Arg Ser Ala Lys Pro Val Thr Glu Leu
65 70 75 80
Val Cys Ser Gly Gln Cys Gly Pro Ala Arg Leu Leu Pro Asn Ala Ile
85 90 95
Gly Arg Gly Lys Trp Trp Arg Pro Ser Gly Pro Asp Phe Arg Cys Ile
100 105 110
Pro Asp Arg Tyr Arg Ala Gln Arg Val Gln Leu Leu Cys Pro Gly Gly
115 120 125
Glu Ala Pro Arg Ala Arg Lys Val Arg Leu Val Ala Ser Cys Lys Cys
130 135 140
Lys Arg Leu Thr Arg Phe His Asn Gln Ser Glu Leu Lys Asp Phe Gly
145 150 155 160
Thr Glu Ala Ala Arg Pro Gln Lys Gly Arg Lys Pro Arg Pro Arg Ala
165 170 175
Arg Ser Ala Lys Ala Asn Gln Ala Glu Leu Glu Asn Ala Tyr
180 185 190

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<212> DNA
<213> Mus musculus

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ggagagtacc ccgagcctcc tcttgagaac aaccagacca tgaaccgggc ggagaatgga 180
ggcagacctc cccaccatcc ctatgacgcc aaagatgtgt ccgagtacag ctgccgcgag 240
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ttggtgtgct ccggccagtg cggccccgcg cggctgctgc ccaacgccat cgggcgcgtg 360
aagtgggtggc gcccgaaagg accggatttc cgctgcatcc cggatcgcta ccgcgcgcag 420
cgggtgcagc tgctgtgccc cgggggcgcg gcgccgcgct cgcgcaagggt gcgtctgggtg 480
gcctcgtgca agtgcaagcg cctcaccgcg ttccacaacc agtcggagct caaggacttc 540
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35 40 45
Asp Val Ser Glu Tyr Ser Cys Arg Glu Leu His Tyr Thr Arg Phe Leu
50 55 60
Thr Asp Gly Pro Cys Arg Ser Ala Lys Pro Val Thr Glu Leu Val Cys
65 70 75 80
Ser Gly Gln Cys Gly Pro Ala Arg Leu Leu Pro Asn Ala Ile Gly Arg
85 90 95
Val Lys Trp Trp Arg Pro Asn Gly Pro Asp Phe Arg Cys Ile Pro Asp
100 105 110
Arg Tyr Arg Ala Gln Arg Val Gln Leu Leu Cys Pro Gly Gly Ala Ala
115 120 125
Pro Arg Ser Arg Lys Val Arg Leu Val Ala Ser Cys Lys Cys Lys Arg
130 135 140
Leu Thr Arg Phe His Asn Gln Ser Glu Leu Lys Asp Phe Gly Pro Glu
145 150 155 160
Thr Ala Arg Pro Gln Lys Gly Arg Lys Pro Arg Pro Gly Ala Lys Ala
165 170 175
Asn Gln Ala Glu Leu Glu Asn Ala Tyr
180 185

<210> 5
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<400> 5

Met Gln Leu Pro Leu Ala Leu Cys Leu Val Cys Leu Leu Val His Thr
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Ala Thr Glu Ile Ile Pro Glu Leu Gly Glu Tyr Pro Glu Pro Pro Pro
35 40 45

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<400> 6

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Ala	Thr	Glu 35	Val	Ile	Pro	Gly	Leu 40	Gly	Glu	Tyr	Pro	Glu 45	Pro	Pro	Pro
Glu	Asn 50	Asn	Gln	Thr	Met	Asn 55	Arg	Ala	Glu	Asn	Gly 60	Gly	Arg	Pro	Pro
His 65	His	Pro	Tyr	Asp	Ala 70	Lys	Asp	Val	Ser	Glu 75	Tyr	Ser	Cys	Arg	Glu 80
Leu	His	Tyr	Thr	Arg 85	Phe	Leu	Thr	Asp	Gly 90	Pro	Cys	Arg	Ser	Ala 95	Lys
Pro	Val	Thr	Glu 100	Leu	Val	Cys	Ser	Gly 105	Gln	Cys	Gly	Pro	Ala 110	Arg	Leu
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26

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29

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24

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<211> 24

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<210> 13

<211> 23

<212> DNA

<213> Artificial

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<223> Artificial: PCR primer

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actcactata gggctcgagc ggc

23

<210> 14

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Artificial: PCR primer

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<212> DNA

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<223> Artificial: PCR primer

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<210> 19
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tgtgtctcgt ctgcctgctg gtacaca 27

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<213> Artificial: HIV TAT peptide

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Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
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<210> 24
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Artificial: FITC conjugated - HIV TAT peptide construct

<400> 24

Gly Gly Gly Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5 10 15

<210> 25
<211> 183
<212> PRT
<213> Homo sapiens

<400> 25

Phe Lys Asn Asp Ala Thr Glu Ile Leu Tyr Ser His Val Val Lys Pro
1 5 10 15

Val Pro Ala His Pro Ser Ser Asn Ser Thr Leu Asn Gln Ala Arg Asn
20 25 30

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[illegible]